CALL FOR PAPERS - SPECIAL SESSION

"AIR DIP: Artificial Intelligence for Retinal Diseases Detection and Prediction"
for CODIT 2024
July 01-04, 2023 ▪ Valletta, Malta

Session Co-Chairs:

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Session description:

This special session deals with the ability of Artificial intelligence to solve problems in an uncertain environment, which is constantly improving, thanks to the development of techniques and methods for processing and analyzing data. This makes it possible to carry out specific tasks in complicated fields such as medical diagnostics. Artificial intelligence is currently having a profound impact on the world of medical imaging, with machine learning and deep learning algorithms continuing to develop.

Artificial intelligence can significantly improve the accuracy of medical examinations and doctors' productivity, while reducing time-consuming tasks. Today, Machine learning techniques provide solutions for developing tools to help doctors diagnose, predict the risk of disease and prevent it in time, particularly in ophthalmology. Indeed, vision loss is an alarming problem for the world's population, and can be caused by diverse pathologies.

These disorders are often undiagnosed or diagnosed late, and can lead to permanent and irreversible vision loss. Therefore, early detection and treatment of these diseases can prevent vision loss, save money and offer individuals a better quality of life.

The goal is to provide a powerful forum for discussion on the role of AI in the early prediction of any pathology affecting the eye, whatever the imaging modality used (angiography, fundus image, OCT, etc.). The topics of interest include, but are not limited to:

- Development of Computer Aided Diagnosis Systems for eye image analysis.
- Automatic recognition of ocular pathologies
- Early detection of pathologies
- Prediction of eye response to treatment

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 03, 2024:**
http://controls.papercept.net/conferences/scripts/start.pl . In PaperCept, click on the **CoDIT 2023 link "Submit a Contribution to CoDIT 2024"** and follow the steps.

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

February 03, 2024: deadline for paper submission

April 14, 2024: notification of acceptance/reject

May 10, 2024: deadline for final paper and registration